

CURRICULUM VITAE
CHARLES E. SIMPSON

Professor Emeritus

Texas AgriLife Research, Texas A&M University

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HIGHER EDUCATION

Texas A&M University

B.S. in Agricultural Education, 1963

Texas A&M University

M.S. in Plant Breeding & Cytogenetics, 1966

Texas A&M University

Ph.D. in Plant Breeding & Cytogenetics, 1967

EMPLOYMENT HISTORY

2007-Present Professor Emeritus, Texas AgriLife Research, Texas A&M University

2003-2007 Professor Emeritus, Texas Agricultural Experiment Station

1979-Present: Graduate Faculty, Texas A&M University

1984-2003: Professor, Texas Agricultural Experiment Station

1975-1984: Associate Professor, Texas Agricultural Experiment Station

1967-1975: Assistant Professor, Texas Agricultural Experiment Station

CURRENT RESEARCH ACTIVITIES

Peanut variety development and release; peanut germplasm collection and preservation; peanut germplasm evaluation, enhancement, and utilization. Co-leader on international efforts to collect, preserve and utilize wild peanut species.

AWARDS

I have received nine different state, national and international awards during my career.

PUBLICATIONS 1967 - 2008

REFERRED JOURNAL ARTICLES -----90
NON-REFERRED J. ARTICLES ----- 5
SCIENTIFIC PRESENTATIONS -----116
INTERNATIONAL WORKSHOPS ----- 10
BOOK CHAPTERS AUTHORED OR COAUTHORED ---- 10
BOOKS TRANSLATED SPANISH TO ENGLISH ----- 1
TAES, USDA, & OTHER PUBLICATIONS----- 38
POPULAR AND TRADE JOURNAL ARTICLES ----- 125

SELECTED PUBLICATIONS

Krapovickas, A. and W.C. Gregory. 2007. Taxonomy of the genus *Arachis* (*Leguminosae*). Translated by D.E. Williams and C.E. Simpson. *Bonplandia* 16 (Supl.):1-205. ISSN 0524-0476.

Baring, M.R., Y. Lopez, C.E. Simpson, J.M. Cason, J. Ayers, M.D. Burow. 2006. Registration of Tamnut OL06 Peanut. *Crop Sci.* 46: 2720.

Baring, M.R., C.E. Simpson, M.D. Burow, M.C. Black, J.M. Cason, J. Ayers, Y. Lopez, and H.A. Melouk. 2006. Registration of Tamrun OL07 Peanut. *Crop Sci.* 46: 2721.

Simpson, C.E., M.R. Baring, A.M. Schubert, M.A. Black, H.A. Melouk, and Y. Lopez. 2006. Registration of 'Tamrun OL02' peanut. *Crop Sci.* 46: 1813-1814.

Fávero, A.P., C.E. Simpson, J.F.M. Valls, and N.A. Vello. 2006. Study of the evolution of cultivated peanut through crossability studies among *Arachis ipaënsis*, *A. duranensis*, and *A. hypogaea*. *Crop Science.* 46: 1546-1552.

Valls, J.F.M. and C.E. Simpson. 2005. New species of *Arachis* from Brazil, Paraguay, and Bolivia.

Bonplandia 14:1&2. 35-64

- Kiniry, J.R., C.E. Simpson, A.M. Schubert, and J.D. Reed. 2005. Peanut leaf area index, light interception, radiation use efficiency, and harvest index at three sites in Texas. *Field Crops Research* 91:297-306.
- Ferguson, M.E., A. Jarvis, H.T. Stalker, D. Williams, Luigi Guarino, J.F.M. Valls, R.N. Pittman, C.E. Simpson, and P. Bramel. 2005 Biogeography of Wild *Arachis* (Leguminosae): Distribution and Environmental Characterization. *Biodiversity and Conservation* 14 (7): 1777-1798.
- Simpson, C.E., J.L. Starr, M.D. Burow, A.H. Paterson 2003. Registration of 'NemaTAM' peanut *Crop Sci.* 43:1561.
- Simpson, C.E., M.R. Baring, A.M. Schubert, H.A. Melouk, M.A. Black, Y. Lopez, and J.S. Kirby. 2003. Registration of 'OLin' peanut. *Crop Sci.* 43:1880-81.
- Simpson, C.E., M.R. Baring, A.M. Schubert, H.A. Melouk, M.A. Black, Y. Lopez, and K.R. Keim. 2003. Registration of 'Tamrun OL01' peanut. *Crop Sci.* 43: 2298.
- Simpson, C.E., Valls, J.F.M, and Krapovickas, A. 2001. History of *Arachis* Including evidence of *A. hypogaea* L. Progenitors. *Peanut Science* 28:78-80.
- Simpson, C.E. 2001 Use of Wild *Arachis* species/Introgression of Genes into *A. hypogaea*. *Peanut Science* 28:114-116.
- Burow, M.D., Simpson, C.E., Starr, J.L., and Paterson, A.H. 2001. Transmission Genetics of Chromatin from a Synthetic Amphidiploid to Cultivated Peanut. *Genetics*:159:823-837.
- Lavia, G., A. Fernandez, C.E. Simpson, and G. Seijo. 2001. Cytologia. IN PRESS.
- Simpson, C.E. and J.L. Starr. 2001. Registration of 'COAN' peanut. *Crop Sci.* 41. 918.
- Simpson, C.E., J.L. Starr, J.L. Lasswell, and C.A. Foreman. 2001. Cover Photo for *Crop Science* 41:# 3.

PLANT MATERIAL RELEASES

Cultivars – 14 peanut cultivars released. 16 cultivars Registered in CROP SCIENCE.
Germplasm Lines - 7 peanut germplasm lines released, 4 pending. 7 Registered in CROP SCIENCE.

OTHER ACTIVITIES

I have served on 10 PhD committees and co-chair of 4.
I have served on 10 MS committees and co-chair of 6.
From 1982 to 2009 I have been a PI or Collaborating PI on the Texas Peanut CRSP Breeding projects in West Africa.
Since 1977 I have made twenty-five *Arachis* germplasm collection expeditions to South America. Countries where collections have been made include Argentina, Brazil, Bolivia, Ecuador, Paraguay, Peru, and Uruguay. Our teams have collected more than 4,500 cultivated lines and landraces and we have collected more than 1,800 wild species accessions, which represent 59 new species of the 80 which have been described.

MAJOR RESEARCH INTERESTS

My primary research interest is the collection, preservation, evaluation, and utilization of *Arachis* germplasm – both wild and cultivated. I have (with collaborators) released cultivars which have genes from landrace PI's as well as from wild species of *Arachis*. Construction of the tetraploid molecular map (RFLP) from my crosses is a major milestone in peanut breeding, in my opinion. (Burow, Simpson, Starr, Paterson 2001).